

AMENDMENTS TO THE CLAIMS

CLAIM 1 (CURRENTLY AMENDED): A bicycle information processing apparatus operated by power from a power supply that is attachable to a bicycle and normally charges and discharges during operation of the bicycle, wherein the apparatus comprises:

a memory for storing information related to the bicycle;

an information processing unit that accesses the memory and processes information stored in the memory; and

a power supply sensor that detects an ability of the power supply to supply power as the power supply charges and discharges during normal operation of the bicycle so that the memory may be accessed without damaging information stored therein.

CLAIM 2 (ORIGINAL): The apparatus according to claim 1 wherein the information processing unit accesses the memory only when the power supply sensor detects that the power supply is capable of supplying power so that the memory may be accessed without damaging information stored therein.

CLAIM 3 (ORIGINAL): The apparatus according to claim 1 further comprising an information display for displaying information processed by the information processing unit.

CLAIM 4 (ORIGINAL): The apparatus according to claim 1 wherein the power supply sensor comprises a voltage sensor.

CLAIM 5 (ORIGINAL): The apparatus according to claim 4 further comprising a power storage element that stores power from the power supply, wherein the voltage sensor senses a voltage of the power storage element.

CLAIM 6 (ORIGINAL): The apparatus according to claim 5 wherein the information processing unit accesses the memory only when the voltage sensor detects that the power storage element is capable of supplying power so that the memory may be accessed without damaging information stored therein.

CLAIM 7 (ORIGINAL): The apparatus according to claim 1 further comprising a first housing that houses the memory, the information processing unit and the power supply sensor.

CLAIM 8 (ORIGINAL): The apparatus according to claim 7 further comprising an information display for displaying information processed by the information processing unit.

CLAIM 9 (ORIGINAL): The apparatus according to claim 8 wherein the information display is housed within the first housing.

CLAIM 10 (ORIGINAL): The apparatus according to claim 8 further comprising a second housing, wherein the information display is housed within the second housing separately from the memory, the information processing unit and the power supply sensor.

CLAIM 11 (ORIGINAL): The apparatus according to claim 7 further comprising a receiver operatively coupled to the information processing unit and structured to receive information from an information processing unit.

CLAIM 12 (ORIGINAL): The apparatus according to claim 11 wherein the receiver receives first cumulative information calculated by the information processing unit.

CLAIM 13 (ORIGINAL): The apparatus according to claim 12 wherein the first cumulative information comprises a total distance traveled by the bicycle.

CLAIM 14 (ORIGINAL): The apparatus according to claim 12 further comprising a start input component for initiating computation of second cumulative information.

CLAIM 15 (ORIGINAL): The apparatus according to claim 14 wherein the information processing unit stores the first cumulative information in the memory in response to operation of the start input component.

CLAIM 16 (ORIGINAL): The apparatus according to claim 15 wherein the first cumulative information comprises a total distance traveled by the bicycle, and wherein the second cumulative information comprises travel distance of the bicycle.

KAZUHIRO TAKEDA, et al
Application No.: 10/708,650
Page 4

PATENT

CLAIMS 17-21 (CANCELED).